# BRUHATH BENGALURU MAHANAGARA PALIKE

**Yelahanka Division, Yelahanka Zone**

Executive Engineeer
Yelahanka Division
B.B.M.P. Bengaluru - 64

No:EE/YNK-D/E-PMT/05/2021-22 Dated: 11-08-2021

## APPROVED TENDER SCHEDULE –'B'

Item 13

Name of Work :-Providing Energy efficient and LED Street lights and Wires around Kempegowda ward no:01

| Sl | Description | Unit | Approved Qty | Rate quoted by the contractor approved rates Sri VINAY KUMAR M ( VINAY ENTERPRISES..... ) | |
|---|---|---|---|---|---|
| | | | | Rate | Rate in Words |
| 1 | Supply of LED Steet Luminaire with pressure die cast aluminium housing body for optimal thermal dissipation. Lamp Compartment comprising of anti gloare clear diffuser with injection moulded polycarbonate material, delivering superior light output. Rated life Buring Hrs 50000 hr @ Lumen Maintenance of 70% maximum light intensity should be between 60 degrees to 70degrees. CCT > 5500K, IP 66 optical and electrical compartment & impact resistance of complete Luminaire > IK08. Power Factor > 0.9 With mains, Surge Protection- MIn 5KV along with Over voltage/ Overload, short circuit/ miss-wiring protection. Compatible for pole mouting with outer dia of 40mm to 50mm. Universal Voltage driver to operate wide voltage range from 100V to 270V 50 60Hz application. Compliance to IS 10322/IEC 60598, LM 79 & LM 80 Adherence with RoHS. UL approved MCPCB. Top access street light with single screw to ensure ease of maintenance at the sight site location with minimized minimal tools. LED Light fixture with W system Power consumption. LED Efficiency> 130lm/w, nominal CRI > 75. Luminaire manufacturer should have in-house facility accredited by NABL/CPRI & any Government certified agency % Design & Development facility certified by ISO 9001: 2008. Housing with supplier | Nos | 188.00 | 8280.00 | Eight Thousand Two Hundred Eighty Only |
| 2 | Supplying and Fixing .....mm dia class A GI pipe bracket up to 2.7 meters long terminated with a reducing collar of 40x25mm to which extra pipe of 175 mm length is fixed for fixing MV/SV/MH/FTL street light fiiting of all capacities on rail/RCC/wall/tubular pole, using suitable clamps, bolts , nuts and wiring using suitable capacity wires. Using 40mm dia GI pipe. | Each | 188.00 | 1090.80 | One Thousand Ninety Paise Eighty Only |
| 3 | Wiring for lighting/ Power circuit using one of PVC insulated 1100 V grade, stranded Aluminium wire single core in open or concealed system of wiring 4 sqmm | Mtrs | 600.00 | 8.10 | Eight Paise Ten Only |
| 4 | Supplying tinned copper lugs and crimping and wiring to terminal point for wire of the following sizes .25 sqmm Long Barrel. | nos | 30.00 | 18.00 | Eighteen Only |

For VINAY ENTERPRISES

Executive Engineer
Yelahanka Division

| | | | | | |
|---|---|---|---|---|---|
| | Fixing halogen/metal halide/SVL/IL/LED floodlight fitting over existing pole/ wall ceiling including clamps, bolts, nuts and wiring using suitable capacity wires. | Each | 188.00 | 157.50 | One Hundred FiftySeven Paise Fifty Only |
| 6 | Supplying heavy gauge PVC conduit pipe....dia mm thick confirming to IS 2509 with suitable size bends, junction boxes, adhesive paste etc., and fixing using inverted wood plugs in case of RCC ceiling and RCC wall/ stone structure or rawl plugs in case of brick walls and cement plastering the damaged portion using heavy gauge saddles at an interval of 700mm using NF screws. 25mm dia 2mm thick. | Mtrs | 45.00 | 58.50 | FiftyEight Paise Fifty Only |
| 7 | 1.1 KV Class HR (Heat Resistant ) PVC insulated & Unsheathed Aluminium Wires MultiStrand Single Core Lead Wires as per Is-694: 2010PVC Wire - 25Sqmm Alwt: 6.7 kgs, Total wt: 11.52 Kgs for 100 Mtrs | mtrs | 90.00 | 29.08 | TwentyNine Paise Eight Only |
| 8 | Thirstor Based single/ Three phase smart street light control and monitoring system Remotely control and monitorable smart street light system by using web or mobile application smart control system has hardware ruggedness over field issues like line cross, line short, lighting and any other irregularities in voltage. It has some features like 1.Remote lighting management. 2.Precise Lighting turnoff. 3.Load ballancing. 4.Load Power regulation. 5.Status tracking it works on the basis of some of these features 1) Main Control Unit (Mother board): Handles Controlling , data handling and Other communication process. 2) Communication unit: GSM/GPRS quad bandwith RS232 Interface Wireless Communication unit. 3) Gate Driver Unit: Firing angle controllable board for driving the Thyristor. 4) Switching Thyristor: SCR 110 AMPS dual thyoristor modules for switching. 5) Embedded Firmware: Firmware to control, handle, process the data and communicate it wirelessly. 6) Metal Enclosure: IP66 weather prof metal enclosure. 7) Transformers: Customized step down transformers for various purposes. 8) Wiring and other device assembly components. | Nos | 5.00 | 46350.00 | FourtySix Thousand Three Hundred Fifty Only |

For VINAY ENTERPRISES

Signature of the Contractor
Proprietor

Executive Engineer,
Yelahanka Division,
BBMP, Bengaluru-64.